

WHAT IS CLAIMED IS:

1. An air diffuser for a xerographic module comprising:  
a housing having one or more xerographic development stations;  
an air deflector element located in the housing and including an element located in  
the housing oriented to deflect air entering the housing away from the  
one or more development stations.
2. An air diffuser as in claim 1, wherein the housing has side walls and the  
deflector is oriented to deflect the air to a side wall away from the location of the one or  
more development stations.
3. The air diffuser of claim 1 wherein the air deflector element is arranged to  
minimize turbulence within the xerographic module.
4. The air diffuser of claim 3 wherein turbulence is minimized as a result of  
an angle of the air deflector element.
5. The air the user of claim 3, wherein turbulence is minimized as a result of  
the signs of the duplex your element.
6. The air diffuser of claim 3, wherein turbulence is minimized as a result of  
a speed of air entering the module and being deflected by the deflector element.
7. The air diffuser of claim 1, wherein the air deflector element is arranged to  
prevent direct impact of the air against the at least one development stations.

8. The air diffuser of claim 1, comprising an opening in a top wall of the housing, the deflector element comprising a flap of the housing material attached along an edge thereof to a top wall of the housing.

9. An electroreprographic module comprising at least one development station disposed in a housing, the housing comprising side walls and a top wall, the module further comprising an air diffuser.

10. The module of claim 9, wherein the air diffuser comprises a deflector element including a portion of a wall of the housing.

11. The module claim 10, wherein the air deflector element is a flap of housing material protruding into the housing such that there and to the have with eight low level of turbulence.

12. The module of claim 9, wherein the air diffuser comprises an adjustable deflector element.

13. An air diffuser for an electroreprographic module comprising at least one development station in a housing, the diffuser comprising an air deflector element arranged to minimize turbulent air flow while preventing toner laden air from directly impacting against the at least one development station.

14. The air diffuser of claim 13, wherein the housing comprises a top wall and side walls and the air deflector element is a portion of one of the walls.

15. The air diffuser of claim 13, wherein the portion of one of the walls is a flap of material pushed into the housing to form an opening through which air enters the housing.

16. The air diffuser of claim 15, wherein the opening is sized to minimize turbulence of air passing therethrough.

17. The air diffuser of claim 15 wherein the flap protrudes into the housing at an angle relative to the wall of the housing such that turbulence of air passing thereover is minimized.

18. The air diffuser of claim 9 wherein air entering the housing via the air diffuser is controlled by the diffuser through a combination of size of entry, angle of incidence, and speed.